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EUROPEAN PATENT APPLICATION

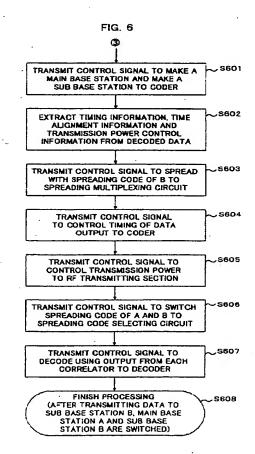
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(54) Radio communication system and method

The present invention relates to a radio communication apparatus and system in a CDMA/TDD system in which a mobile station directs received power of data received from a surrounding base station at received power detecting circuit 12 in switching a base station for communication as moving. When received power from a base station other than a main base station in current communication becomes higher than a predetermined level, the mobile station makes the base station sub base station to transmit the same data as the main base station, and receives data from the main base station and the sub base station concurrently at correlator 5 and correlator 6. After that, when the received power from the sub base station becomes higher than the received power from the main base station, the mobile station switches a main base station and a sub base station and transmits data to a new main base station.



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EUROPEAN SEARCH REPORT

Application Number

EP 00 12 7549

	DOCUMENTS CONSIDERED TO BE RELEVANT	1			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.CI.7)		
X	WO 94 30024 A (ERICSSON TELEFON AB L M) 22 December 1994 (1994-12-22) * page 5, line 10 - line 30 * * page 7, line 15 - page 8, line 27 * * page 10, line 33 - page 14, line 25 * * page 23, line 15 - line 30 * * abstract; figures 4,5 *	1-7	H04B7/02 H04Q7/38		
X A	EP 0 676 908 A (OKI ELECTRIC IND CO LTD) 11 October 1995 (1995-10-11) * column 3, line 34 - column 5, line 16 * * column 10, line 15 - column 11, line 24	1,3-5 2,6,7			
A	* EP 0 699 011 A (SEL ALCATEL AG ;ALCATEL NV (NL)) 28 February 1996 (1996-02-28) * the whole document *	1,4-7			
			TECHNICAL FIELDS SEARCHED (Int.C1.7)		
			H04Q H04B		
10 A	y				
			* *		
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	The present search report has been drawn up for all claims				
	Place of search Date of completion of the search		Examiner		
. 1	THE HAGUE 27 April 2001	Cot	opieters, S		
CATEGORY OF CITED DOCUMENTS X: particularly relevant if taken alone Y: particularly relevant if combined with another document of the same category A: technological background O: non-written disclosure P: intermediate document A: technological background C: non-written disclosure C: member of the same patent family, corresponding document flowers					

ANNÉX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO.

EP 00 12 7549

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

27-04-2001

Patent document cited in search repor	t	Publication date		Patent family member(s)	Publication date
WO 9430024	Α	22-12-1994	AU	677079 B	10-04-199
			AU	7012994 A	03-01-199
			BR	9405406 A	08-09-19
			·CA	2141445 A	22-12-19
			CN	1112385 A	22-11-19
			EP	0659326 A	28-06-19
			FI	950626 A	14-02-19
	•		JP	8500474 T	16-01-19
			NZ	267747 A	27-07-19
			บร	5828659 A	27-10-19
FP 0676908	Α Α	11-10-1995	JP	7284141 A	27-10-19
2, 00,0550	, .		ĈA	2146493 A	09-10-19
		·	US	5677908 A	14-10-19
EP 0699011	Α	28-02-1996	DE	4430553 A	29-02-19

Fur more details about this annex : see Official Journal of the European Patent Office, No. 12/82

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